

Research Programme on Programmable Materials (OMA)  
Thematic network on Materials Research  
Opening seminar 13 November 2012

Second Circular, 10 October 2012

Dear Colleagues in Materials Research,

This is the second and final circular for the joint opening Seminar of the Programmable Materials research programme (OMA) and the Academy of Finland Thematic Network on Materials Research. The invitation has been sent to the OMA project leaders and full proposal applicants. Please feel free to distribute the invitation to your colleagues.

As discussed in the First Circular, our seminar will be a full day event, with the programme consisting of keynote talks, project presentations, and a panel discussion at the end of the day. The keynote speakers will be invited to participate in the panel discussion and the panel will be complemented by distinguished Finnish experts from industry and academia.

Programme: The final programme of the seminar is given on page 2.

Venue: The Seminar will be held at the premises of the Academy of Finland (Hakaniemenranta 6, Helsinki) and is within easy reach from Helsinki Railway Station, either by foot or by tram. See [www.reittiopas.fi](http://www.reittiopas.fi) for instructions.

Posters: In addition to the talks, OMA researchers are most welcome to bring your poster to this seminar. The size of the poster will be 97 cm (width) x 118 cm (height). In case you plan to present a poster, please indicate that, as well as the title of your poster with your registration. The list of poster presentations will be made available for all participants and also displayed afterwards on our programme website.

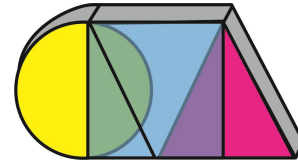
Registration: Please register at [www.academyevents.fi](http://www.academyevents.fi) with keycode OMA2012. The due date for registration is 8<sup>th</sup> November 2012.

If you have any questions, do not hesitate to contact Saila ([Saila.Seppo@aka.fi](mailto:Saila.Seppo@aka.fi), +358 295 33 5109) or Sanna ([Sanna.Hytonen@aka.fi](mailto:Sanna.Hytonen@aka.fi), +358 295 33 5032).

With Best Regards,

Saila Seppo  
Programme Manager

Sanna Hytönen  
Project Officer



ACADEMY OF FINLAND'S

## Research Programme on Programmable Materials (OMA) and Thematic Network on Materials Research

### OPENING SEMINAR

Time: Tuesday, 13 November, 2012

Place: Academy of Finland, Hakaniemenranta 6, Helsinki

Language of the seminar will be English.

9:30 Registration and coffee

Chair of the seminar: Professor Heli Jantunen, Chair of the Steering Committee of OMA

10:00 OPENING OF THE SEMINAR

10:15 KEYNOTE: Frontiers of Smart Polymeric Biomaterials  
*Professor Jindrich Kopecek, University of Utah*

11:15 PROJECT PRESENTATIONS – Three research projects funded from 2011 call

Programmable materials in ocular drug delivery  
*Arto Urtti, University of Helsinki*

Photonically addressed zero current logic through nano-assembly of functionalised nanoparticles to quantum dot cellular automata  
*Donald Lupo, Tampere University of Technology*

Biomacromolecule encoded nanoassemblies for magneto-plasmonics  
*Päivi Törmä and Mauri Kostianen, Aalto University*

12:30 LUNCH

13:30 KEYNOTE: Gaining Benefits of Joint Research Initiatives  
*Heidi Fagerholm, Executive Vice President, R&D, Kemira Plc*

14:30 COFFEE

15:00 PANEL DISCUSSION: How to choose a research subject?  
*Panel members*

*Heidi Fagerholm, Executive Vice President, R&D, Kemira Plc*  
*Minna Kellomäki, Professor, Tampere University of Technology*  
*Jindrich Kopecek, Professor, University of Utah*  
*Leo Kärkkäinen, Distinguished Scientist, Nokia Plc*  
*Kari Rissanen, Academy Professor, University of Jyväskylä*

*Moderator Dr. Laura Kauhanen, Spinverse Oy*

16:30 CONCLUDING DISCUSSION